Ricoh Aficio SP 8100DN

Network Laser Printer

The fast and flexible answer
for the connected office.

RICOH

versatile

fast

connected

Ricoh Aficio SP 8100DN

Get the printer that's a perfect fit for your needs. The RICOH® Aficio SP 8100DN black & white network printer delivers the speed you want and the flexibility you need to produce professional documents in less time—especially in print-intensive environments.

The SP 8100DN comes with the latest connectivity and security options for networked or mainframe environments. The system accepts a wide range of paper sizes and stocks. Additionally, the advanced document and management utilities put all the control you need right on your desktop.

VersatileProductiveReliableEfficient

Monochrome Laser Network Printing

The Ricoh Aficio SP 8100DN perfectly fits your demanding workplace.

- Load up to 11" x 17" paper quickly and easily with front-loading trays. The unique fully adjustable guides allow you to print on custom paper sizes.
- Skip time-consuming manual document assembly by loading up to five different papers into separate trays and assign paper on a page-by-page basis—all in the same print job.
- Keep pace in print-intensive workplaces and enjoy uninterrupted printing with an optional 3,000-sheet Finisher Unit that sorts, staples and punches holes.
- Save paper and filing space with standard duplexing. This helps cut postage costs when mailing large documents.

Enjoy uninterrupted printing with two optional 500-sheet paper trays and an optional large capacity tray for a large 3,550-sheet capacity.

There's no need to wait for documents

The Ricoh Aficio SP 8100DN's next-generation 466MHz CPU quickly processes even the largest files. It also churns out 45 pages per minute—simplex and paper-saving duplex—with first prints in just 6.0 seconds.

- Keep printing moving with a generous maximum paper capacity of 3,500 sheets and the ability to reload one tray while printing from another.
- Print high-quality graphics with built-in genuine Adobe® PostScript® 3™ and 600 x 600 dpi resolution.
- Minimize network congestion and print PDFs fast with PDF Direct Print. It prints PDFs without opening the application, sending a smaller file to the printer.
- Save time and prevent waste by using Sample Print to review one set before making multiple sets.
- Store frequently used documents for walk-up on-demand printing.

Review and program print functions easily right at the device using the user-friendly control panel.

Memory You Need, Connectivity You Want

The powerful Ricoh Aficio SP 8100DN meets the demands of today's busy office—workgroup or mainframe environments—with up to 512 MB RAM and a 40 GB hard drive. It keeps you connected with a standard 10/100 Base-TX Ethernet and USB 2.0 interface. Plus, it supports all major protocols and operating systems.

- Extend connectivity with optional high-speed Gigabyte Ethernet or wireless LAN.
- Take control and manage the Ricoh SP 8100DN remotely with WebImageMonitor. It lets users or administrators adjust settings and receive alerts via e-mail.
- Program jobs easily from your desktop with the Ricoh icon-based Ricoh Refined Print Command Stream™ (RPCS) driver.

The Security You Need

Numerous built-in capabilities protect network data and sensitive documents to help you work in confidence.

- Protect unauthorized distribution of printed documents by embedding messages or patterns that appear if a document is copied on the latest Ricoh systems.
- Strengthen security by overwriting data stored in the hard disk with the Data Overwrite Security option.
- Temporarily store jobs in the Ricoh SP 8100DN until released by the user with Hold Print or Locked Print. Hold Print also works as a virtual mailbox.

Your Environmental Partner

Our earth, Our tomorrow

Ricoh continues our long-standing commitment to developing environmentally friendly office solutions with superior energy- and supply-saving features, including:

- Quick Start-up (QSU) Technology
- Power-saving Sleep Mode
- Duplex and Combine Copy Modes
- Toner Recycling
- Low Noise Levels
- Minimal Ozone Emissions
- Restriction of Hazardous Substances Compliant (RoHS)

Ricoh Aficio SP 8100DN

System Specifications

Aficio®

Specifications

Main Unit	Aficio SP 8100DN Part # 402595
Configuration	Desktop
Technology	Twin Laser Beam Scanning & Electro-photographic Printing with Dry, Dual Component toner
Resolution	(PLC5e) 600 x 600, 300 x 300 dpi (PCL6) 600 x 600 dpi (RPCS) 600 x 600 dpi (PS3) 600 x 600, 300 x 300 dpi
Print Speed	45 ppm
Duplex Speed	45 ppm
First Print Speed	6.0 seconds or less (A4/8.5" x 11"– LEF, 1st Tray)
Dimensions (WxDxH)	26.4" x 25.2" x 22.0" 670 x 640 x 560mm
Weight	141.1 lb. 64Kg
Warm-up Time	22 seconds or less
Power Source	120V/60Hz/15A
Power Consumption	1400W or less, 6W or less (Energy Saver)
Standard Paper Capacity	500 x 2 + 50 sheet multi purpose tray
Optional Paper Capacity	500 x 2 sheets, PB3020 Paper Bank – Part # 402604 1,500 sheets, Large Capacity Tray RT45 – Part # 411339
Maximum Paper Capacity	3,550 sheets
Acceptable Paper Sizes	Standard Tray A3 – A5 (SEF)/ 11" x 17" – 5.5" x 8.5" (SEF) Bypass Tray A3 – A6 (SEF)/ 11" x 17" – 5.5" x 8.5"(SEF) Optional PB3020 Paper Bank A3 – A5 (SEF)/11" x 17" – 5.5" x 8.5" (SEF) Optional Large capacity Tray A4 (LEF)/8.5" x 11" (LEF) only
Acceptable Paper Weights	Standard Tray 64 – 105g/m² (20 – 28 lb.) Bypass Tray 52 – 163g/m² (14 – 44 lb.) Optional PB3020 Paper Bank 60 – 105g/m² (16 – 28 lb.) Optional Large capacity Tray RT45 60 – 105g/m² (16 – 28 lb.)
Standard Output Capacity	500 sheets
Optional Output Capacity	3,500 sheets (SR3040 Finisher – Part # 402624)

*SR3040 Finisher – requires the Bridge Unit Type 2045 (Part # 412553) for installation. 3,000 sheet capacity is based on 69g/m² paper.

Automatic Duplexing	Standard
Duplex Paper Weight	64 – 105g/m² (20 – 28 lb.)

Controller Specifications

CPU	RM7035C 466MHz
Printer Languages	PCL 5e/6 emulation Ricoh RPCS, Adobe® PostScript® 3™, PDF
Memory (RAM)	128MB (std) / 512MB (max)
Standard Interfaces	USB2.0, 100BASE-TX/10BASE-T Ethernet
Optional Interfaces	IEEE1284, IEEE802.11b, Gigabit Ethernet
Network Protocols	TCP/IP, IPX/SPX, AppleTalk
Standard Print Utilities	SmartDeviceMonitor for Admin, Printer Utility for Mac, Desktop Binder Lite, Font Manager 2000,
Optional Print Utility	DeskTopBinder Professional
Drivers/Operating Systems	Windows 95/98SE/NT4.0/2000/ Me/XP/Server 2003 Netware 3.12, 3.2, 4.1, 4.11, 5.0, 5.1, 6 Unix (using Ricoh UNIX filter) Linux RedHat Linux 6.x, 7.x, 8.x, 9, and Enterprise Mac OS 8.6-9.2x, OS X 10.1 or later (USB print is supported for Mac OS X v.10.3.3 or later. For Mac OS; Plug-in function for Sample Print, Locked Print and User Code is supported 10.2 or later.)
Memory Options	Memory Unit Type D – 128MB Part # 002083MIU Memory Unit Type E – 256MB Part # 001491MIU
Controller Options	Printer Hard Disk Type 8100* – Part # 002688MIU IEEE 802.11b Interface Unit Type H** – Part # 402378 Gigabit Ethernet Board Type A – Part # 402547 IEEE1284 Interface Board Type A – Part # 411699 Data Overwrite Security Unit Type E – Part # 402550 User Account Enhance Unit Type E – Part # 402270 Data Storage Card Type A*** – Part # 402627 VM Card Type D**** – Part # 402704

*The optional Printer Hard Disk is required to enable: Sample Print, Locked Print, Hold Print, Store Print and other functions, contact your sales representative for further details.

**128MB Additional optional memory is required.

***Used to store digital certificates, which enable use of some security features, not necessary when a Hard Disk Drive is installed.

****Used for adding Java applications integrated into the device by Ricoh Developer Program members.

Options

Image Scanner IS300E

Scanner Type	Flatbed color image scanner with built in ARDF
Resolution	Optical 600 dpi
Scanning Speed	Simplex: 31 black & white/ 10 color ppm @ 200 dpi Duplex: 12 black & white/ 7 color ipm @ 200 dpi Based on letter/portrait
Original Sizes	Up to 11" x 17"
ARDF Capacity	50 sheets
ARDF Document Weight	Simplex: 10 – 33 lb. bond (40.7 – 128.0g/m²) Duplex: 14 – 28 lb. bond (52.3 – 104.7g/m²)
Connectivity	10/100BaseTX (Standard) IEEE802.11b (Option)
Driver	Network TWAIN (Specify 100 – 2400 dpi resolution)
Data Compression	MH, MR, MMR, JPEG
Power Consumption	120V/60Hz
Dimensions (WxDxH)	23.2" x 25.5" x 10.4" 590 x 647 x 265mm
Weight	Less than 64 lb. (29kg)

Consumables and Yields

Ricoh Toner Type 3105D, Black – 885247 (30K LT pages at 5% toner coverage)

Printer Maintenance Kit Type 8100N A [Development Unit] – Part # 402605 (150K LT pages)

Printer Maintenance Kit Type 8100N B [Fusing Unit and Transfer Unit] – Part # 402606 (150K LT pages)

Ricoh Consumables: For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

RICOH

www.ricoh-usa.com

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